	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L1	1136	quantum adj dot$	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:00	
2	BRS	L2	135	q adj dot$	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:01	
3	BRS	L3	748	nanocrystal	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:01	
4	BRS	L4	7344	test adj strip	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:01	
5	BRS	L5	565	later adj flow	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:03	
6	BRS	L6	4	1 and 4	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:07	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
7	BRS	L7	0	1 and 5	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:07	
8	BRS	L8	0	2 and 4	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:07	
9	BRS	L9	5	3 and 4	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:09	
10	BRS	L10	0	3 and 5	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:09	
11	BRS	L11	365	immunochromatographic	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:09	
12	BRS	L12	54224	chromatographic	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:10	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
19	BRS	L19	0	2 and 12	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:18	
20	BRS	L20	24	3 and 12	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:19	
21	BRS	L21	4	3 same 12	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 11:19	

L Number	Hits	Search Text	DB	Time stamp
1	1117	quantum adj dot$	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 12:01
2	1761	nanocrystal$	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 12:01
3	1025906	substrate	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 12:02
4	366	(quantum adj dot$) same substrate	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 12:03
5	402	nanocrystal$ same substrate	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 12:03
6	33952	nitrocellulose	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 12:03
7	6	((quantum adj dot$) same substrate) and nitrocellulose	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 12:09
8	299206	membrane	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 12:10
9	16	(quantum adj dot$) same membrane	USPAT; US-PGPUB; EPO; DERWENT	2002/10/07 12:10

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FILE 'CAPLUS, MEDLINE, BIOSIS, CA, SCISEARCH, EMBASE' ENTERED AT 09:50:17
     ON 07 OCT 2002
L1         32323 S QUANTUM (W) DOT#
L2         22238 S NANOCRYSTAL#
L3          5622 S TEST (W) STRIP
L4             0 S LATER (W) FLOW (W) DEVICE
L5            45 S LATERAL (W) FLOW (W) DEVICE
L6       9849346 S 1(S) 3
L7             0 S L1 (S) L3
L8             2 S L2 (S) L3
L9             0 S L1 (S) L5
L10            0 S L1 AND L3
L11            2 S L2 AND L3
```

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
AN 2001:582161 CAPLUS
DN 135:134277
TI Immunochromatographic test strips with semiconductor nanocrystals as detectable labels
IN Daniels, Robert H.; Watson, Andrew R.
PA Quantum Dot Corporation, USA
SO PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001057522	A2	20010809	WO 2001-US2846	20010129
	WO 2001057522	A3	20020214		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 2002004246	A1	20020110	US 2000-750223	20001227
PRAI	US 2000-180811P	P	20000207		
	US 2000-750223	A	20001227		

L Number	Hits	Search Text	DB	Time stamp
1	5893	test adj strip	USPAT; US-PGPUB	2002/10/07 13:41
2	2367	lateral adj flow	USPAT; US-PGPUB	2002/10/07 13:45
3	9359	control adj (zone or region)	USPAT; US-PGPUB	2002/10/07 13:47
4	1440	test adj (zone or region)	USPAT; US-PGPUB	2002/10/07 13:47
5	924	sample adj reservoir	USPAT; US-PGPUB	2002/10/07 13:48
6	58166	sandwich	USPAT; US-PGPUB	2002/10/07 13:48
7	286	(test adj strip) and (control adj (zone or region))	USPAT; US-PGPUB	2002/10/07 13:48
9	1	(sample adj reservoir) and ((test adj (zone or region)) and ((test adj strip) and (control adj (zone or region))))	USPAT; US-PGPUB	2002/10/07 13:48
8	74	(test adj (zone or region)) and ((test adj strip) and (control adj (zone or region)))	USPAT; US-PGPUB	2002/10/07 14:32
10	6358	sample adj well	USPAT; US-PGPUB	2002/10/07 14:27
11	7	((test adj (zone or region)) and ((test adj strip) and (control adj (zone or region)))) and (sample adj well)	USPAT; US-PGPUB	2002/10/07 14:27
12	677169	quanti$	USPAT; US-PGPUB	2002/10/07 14:33
13	68	((test adj (zone or region)) and ((test adj strip) and (control adj (zone or region)))) and quanti$	USPAT; US-PGPUB	2002/10/07 14:33

L Number	Hits	Search Text	DB	Time stamp
1	207564	microsphere$ or bead$ or microparticle$	USPAT; US-PGPUB; EPO; DERWENT	2002/10/08 09:19
2	1117	quantum adj dot$	USPAT; US-PGPUB; EPO; DERWENT	2002/10/08 09:20
3	751	nanocrystal	USPAT; US-PGPUB; EPO; DERWENT	2002/10/08 09:20
4	28	(microsphere$ or bead$ or microparticle$) same (quantum adj dot$)	USPAT; US-PGPUB; EPO; DERWENT	2002/10/08 09:20
5	41	(microsphere$ or bead$ or microparticle$) same nanocrystal	USPAT; US-PGPUB	2002/10/08 09:46

L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 2

TI Methods of using **semiconductor nanocrystals** (quantum dots) as reporters in bead-based multiplex nucleic acid hybridizations

AB Methods, compns. and articles of manuf. for assaying a sample for a target polynucleotide and/or an amplification product therefrom are provided. The methods comprise contacting a sample suspected of contg. the target polynucleotide with a polynucleotide that can bind specifically thereto; this polynucleotide is conjugated to a substrate, preferably an **encoded bead** conjugate. The **beads** are **encoded** with quantum dots. An amplification reaction can first be used to produce the amplification product from the target polynucleotide so that it can be used to indirectly assay for the target polynucleotide. An amplification product detection complex and method of forming the same are also provided. The methods are particularly useful in multiplex settings where a plurality of targets are present. Amplification product assay complexes and amplification product assay arrays are also provided, along with methods of forming the same. Kits comprising reagents for performing such methods are also provided.

SO PCT Int. Appl., 91 pp.
CODEN: PIXXD2

IN Bruchez, Marcel P., Jr.; Lai, Jennifer H.; Phillips, Vince E.; Watson, Andrew R.; Wong, Edith Y.